AMENDMENTS TO THE CLAIMS

1. (Currently amended) A process for isomerizing cis-2-pentenenitrile to trans-3-pentenenitrile in the presence of aluminum oxide as a catalyst, wherein the aluminum oxide has a BET surface area of at least 50 m^2/g and the reaction is carried out at a ~~temperatuare~~ temperature in the range of from 50°C to 250°C.

2. (Original) The process according to claim 1, wherein the aluminum oxide has a BET surface area of at least 70 m^2/g.

3. (Original) The process according to claim 1, wherein the aluminum oxide has a BET surface area of at most 400 m^2/g.

4. (Currently amended) The process according to ~~any of claims 1 to 3~~ claim 1, wherein the isomerization is carried out in the liquid phase.

5. (Currently amended) The process according to ~~any of claims 1 to 4~~ claim 1, wherein the reaction is carried out at a temperature of at least 120°C and at most 200°C.

6. (New) The process according to claim 2, wherein the isomerization is carried out in the liquid phase and the aluminum oxide has a BET surface area of at most 400 m^2/g.

7. (New) The process according to claim 6, wherein the reaction is carried out at a temperature of at least 120°C and at most 200°C.

8. (New) The process according to claim 1, wherein the aluminum oxide has a BET surface area of at least 100 m^2/g.

9. (New) The process according to claim 1, wherein the aluminum oxide has a BET surface area of at most 300 m^2/g.

10. (New) The process according to claim 7, wherein the aluminum oxide has a BET surface area of at least 100 m^2/g and at most 300 m^2/g.